

# Conchological and molecular analysis of the “non-scaly” Bornean *Georissa* with descriptions of three new species (Gastropoda, Neritimorpha, Hydrocenidae)

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## Abstract

The Bornean representatives of the genus *Georissa* (Hydrocenidae) have small, dextral, conical, calcareous shells consisting of ca. three teleoconch whorls. Our recent study on the *Georissa* of Malaysian Borneo has revealed high intra- and inter-specific variation in the “scaly” group (a group of species with striking scale-like surface sculpture). The present study on the “non-scaly” *Georissa* is the continuation of the species revision for the genus. The “non-scaly” species are also diverse in shell sculptures. This informal group comprises *Georissa* with subtle spiral and/or radial sculpture. The combination of detailed conchological assessment and molecular analyses provides clear distinctions for each of the species. Conchological, molecular, and biogeographic details are presented for 16 species of “non-scaly” *Georissa*. Three of these are new to science, namely *Georissa corrugata* **sp. n.**, *Georissa insulae* **sp. n.**, and *Georissa trusmadi* **sp. n.**

## Keywords

Gastropods, limestone, morphology, phylogenetic, species delimitation, Sabah, Sarawak Malaysian Borneo